

# INTERNATIONAL SEARCH REPORT

PCT/IN2004/000318

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 D06B3/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 D06B D01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 917 118 A (S.H. KOSANN; N. WRIGHT) 29 June 1999 (1999-06-29) column 3, line 7 – column 4, line 11	1-5, 10-13, 15
X	GB 829 835 A (SMITH & NEPHEW TEXTILES LTD.) 9 March 1960 (1960-03-09) page 1, line 67 – page 2, line 11 page 2, line 23 – line 29	10, 12-14
A	DE 30 45 647 A (E. GODAU) 22 July 1982 (1982-07-22) page 37, line 14 – page 39, line 8 page 42, line 1 – line 23	1, 10, 12, 13, 15-20
Y	US 3 835 490 A (H. FLEISSNER) 17 September 1974 (1974-09-17) claims 1, 7	17
A	-----	18, 19
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

17 August 2005

Date of mailing of the international search report

17 August 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Goodall, C

# INTERNATIONAL SEARCH REPORT

PCT/IN2004/000318

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CH 612 557 A (QUIKOTON AG) 15 August 1979 (1979-08-15) page 3, column 1, line 58 - line 62 page 5, column 2, line 37 - line 61	17
A	-----	18,19
X	US 3 787 182 A (G. EIGENMANN ET AL) 22 January 1974 (1974-01-22) column 1, line 11 - line 60	20
X	----- US 4 248 592 A (J. SALVANS ET EL) 3 February 1981 (1981-02-03) column 2, line 31 - line 55	21
X	----- US 3 107 397 A (E.W. HILT ET AL) 22 October 1963 (1963-10-22) column 1, line 10 - line 25	21
X	----- US 1 717 633 A (D. STEVENS) 18 June 1929 (1929-06-18) page 1, line 1 - line 26	21

# INTERNATIONAL SEARCH REPORT

PCT/IN2004/000318

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Application No. PCT/IN2004/000318

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16

Apparatus and method for dyeing fibres using a supporting system for carrying the fibres

2. claims: 17-20

Method for dyeing fibre in the form of a roving or of a tow of filaments

3. claim: 21

Method for preparing yarn

# INTERNATIONAL SEARCH REPORT

on patent family members

PCT/IN2004/000318

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5917118	A	29-06-1999	NONE		
GB 829835	A	09-03-1960	NONE		
DE 3045647	A	22-07-1982	DE AU BR CA CH CH DD ES FR GB GR IE IT MX PT SU US US YU	3045647 A1 540615 B2 8008577 A 1145506 A1 668999 A5 665928 A 155439 A5 8200418 A1 2476157 A1 2066706 A ,B 70755 A1 51735 B1 1129470 B 156715 A 72252 A ,B 1477251 A3 4416124 A 4501039 A 320180 A1	22-07-1982 29-11-1984 21-07-1981 03-05-1983 15-02-1989 30-06-1988 09-06-1982 16-01-1982 21-08-1981 15-07-1981 14-03-1983 18-03-1987 04-06-1986 28-09-1988 01-01-1981 30-04-1989 22-11-1983 26-02-1985 29-02-1984
US 3835490	A	17-09-1974	DE DE US BE FR GB IT JP	1909646 A1 2004390 A1 3943734 A 746461 A4 2033400 A6 1284217 A 989557 B 55044183 B	10-09-1970 05-08-1971 16-03-1976 25-08-1970 04-12-1970 02-08-1972 10-06-1975 11-11-1980
CH 612557	A	15-08-1979	NONE		
US 3787182	A	22-01-1974	CH DE ES FR GB JP	522047 A 2063179 A1 386713 A1 2072020 A1 1335997 A 50010431 B	30-04-1972 15-07-1971 01-04-1973 24-09-1971 31-10-1973 21-04-1975
US 4248592	A	03-02-1981	NONE		
US 3107397	A	22-10-1963	NONE		
US 1717633	A	18-06-1929	NONE		